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**FAX NO.:** 8.1.571.273.8300

**DATE:** October 19, 2007

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**RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

US PATENT APPLICATION NO.: 10/583,459 filed on June 19, 2006

ATTORNEY DOCKET NO.: 2004UR004

INVENTOR(S): Arthur H. Thompson

TITLE: Electrode Configurations for Suppression of Electrostatic Source Noise

**ENCLO**

Transmittal Form.....[1 page(s)]  
Response to First Office Action.....[11 page(s)]

**TOTAL NUMBER OF PAGES TRANSMITTED:**  
(Including This Cover Page)

**13**

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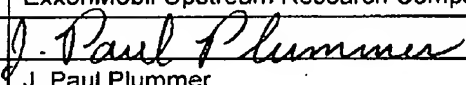
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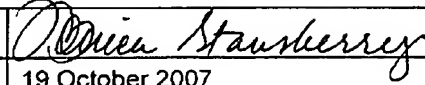
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PTO/SB/21 (04-07)  
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/583,459
	Filing Date	06/19/2006
	First Named Inventor	Arthur H. Thompson
	Group Art Unit	3663
	Examiner Name	Deandra M. Hughes
Total number of pages in this submission	Attorney Docket Number	2004UR004

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	2.
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT			
Firm Name	ExxonMobil Upstream Research Company		
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Printed Name	J. Paul Plummer		
Date	19 October 2007	Reg. No.	40,775

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Date	19 October 2007

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/583,459 Confirmation No.: 3699  
Applicant : Arthur H. Thompson  
Filed : June 19, 2006  
TC/Art Unit : 3663  
Examiner : Deandra M. Hughes  
Docket No. : 2004UR004

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

*Via Facsimile: 8.1.571.273.8300*

**RESPONSE TO FIRST OFFICE ACTION**

Sir:

This communication is in response to the Office Action mailed July 25, 2007 concerning the above identified patent application.

**Remarks** begin on page 2 of this paper;

**Amendments to the Claims** begins on page 4 of this paper;

**Conclusion** begins on page 10 of this paper.